IN THE CLAIMS:

1. (Currently Amended): A method for ~~sealing~~ providing a scalable storage library, the method comprising:

providing a storage library comprising ~~at least one~~ a plurality of horizontal storage cell arrays, wherein each horizontal storage cell array is comprised of storage cells arranged in a horizontal plane of rows and columns;

providing at least one media cartridge player; and

providing at least one robot mechanism that moves along ~~the~~ a horizontal storage cell array and can ~~mount~~ dismount cartridges from storage cells ~~into~~ to be transported to the at least one media cartridge player and ~~dismount~~ mount cartridges transported from the at least one media cartridge player into cartridge storage cells~~, the method comprising at least one of the following:~~

~~increasing the horizontal width of the storage library; and~~

~~increasing the horizontal length of the storage library by increasing the length of horizontal storage cell array~~.

2. (Currently Amended): The method according to claim ~~1~~ 8, wherein the step of increasing the horizontal width of the storage library further comprises increasing the width of the horizontal storage cell ~~array~~ arrays.

3. (Currently Amended): The method according to claim ~~1~~ 8, wherein the step of increasing the horizontal width of the storage library further comprises adding banks of horizontal storage cell arrays side by side.

4. (Currently Amended): The method according to claim ~~1~~ 9, wherein the step of increasing the horizontal length of the storage library further comprises increasing the length of the horizontal storage cell ~~array~~ arrays.

5. (Currently Amended): The method according to claim ~~4~~ 9, wherein the step of increasing the horizontal length of the storage library further comprises adding horizontal storage cell arrays end to end.

6. (Currently Amended): The method according to claim 1, further comprising increasing the vertical height of the storage library by vertically stacking additional horizontal storage cell arrays, wherein the vertical distance between horizontal storage cell arrays is limited by the size of the at least one robot mechanism.

7. (Currently Amended): The method according to claim 1, wherein the storage library further comprises a plurality of robot mechanisms that transport cartridges from the horizontal storage cell arrays to the at least one media cartridge player.

8. (New): The method according to claim 1, further comprising:
increasing a horizontal width of the storage library.

9. (New): The method according to claim 1, further comprising:
increasing the horizontal length of the storage library by increasing the length of horizontal storage cell array.

10. (New): A scalable storage library, comprising:
a plurality of horizontal storage cell arrays, wherein each horizontal storage cell array is comprised of storage cells arranged in a horizontal plane of rows and columns;
at least one media cartridge player; and
at least one robot mechanism that moves along the horizontal storage cell array and can dismount cartridges from storage cells to be transported to the at least one media cartridge player and mount cartridges transported from the at least one media cartridge player into cartridge storage cells.

11. (New): The scalable storage library according to claim 10, wherein the plurality of horizontal storage cell arrays are supported by array trays.

12. (New): The scalable storage library according to claim 11, wherein at least two array trays are hooked together to form a group of trays.

13. (New): The scalable storage library according to claim 10, further comprising a plurality of robot mechanisms that transport cartridges from the horizontal storage cell arrays to the at least one media cartridge player.

14. (New): The scalable storage library according to claim 10, wherein at least a subset of the plurality of horizontal storage cell arrays are vertically stacked.

15. (New): The scalable storage library according to claim 10, wherein the vertical distance between horizontal storage cell arrays is limited by the size of the at least one robot mechanism